



General Assembly

February Session, 2006

Raised Bill No. 351

LCO No. 2034

02034_____CE_

Referred to Committee on Commerce

Introduced by:
(CE)

***AN ACT CONCERNING THE ESTABLISHMENT OF A CONNECTICUT
HYDROGEN ROADMAP.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. (NEW) (*Effective from passage*) The Connecticut Center for
2 Advanced Technology, in consultation with the Connecticut
3 Hydrogen-Fuel Cell Coalition, the Department of Economic and
4 Community Development and other appropriate state agencies, upon
5 request of the center, shall develop a Connecticut Hydrogen Roadmap.
6 The Hydrogen Roadmap shall include an implementation plan to (1)
7 facilitate the commercialization of hydrogen-based technologies and
8 fuel cells; (2) enhance energy reliability and security; (3) promote the
9 improved efficiency and environmental performance of transportation
10 and electric generation with reduced emissions, reduced green house
11 gases, more efficient use of nonrenewable fuels, and increased use of
12 renewable and sustainable fuels; (4) facilitate the installation of
13 infrastructure for hydrogen production, storage, transportation and
14 fueling capability; (5) disseminate information regarding the benefits
15 of hydrogen-based technologies and fuel cells; and (6) develop
16 strategies to retain and expand hydrogen and fuel cell industries in

17 Connecticut.

18 Sec. 2. (NEW) (*Effective from passage*) As part of the development of
19 the Connecticut Hydrogen Roadmap, the Connecticut Center for
20 Advanced Technology, in consultation with the Department of
21 Transportation, shall identify areas within the state transportation
22 system that would benefit from the integration of potential mass
23 transit and fleet transit locations with hydrogen or natural gas and
24 hydrogen mixture refueling stations.

25 Sec. 3. (NEW) (*Effective from passage*) As part of the Connecticut
26 Hydrogen Roadmap the Connecticut Center for Advanced
27 Technology, in consultation with electric and natural gas service
28 providers, shall identify areas in the electric and natural gas
29 distribution system of the state that would benefit from the
30 development of distributed generation through hydrogen or fuel cell
31 technology as a reliability asset necessary for voltage control, grid
32 security, or system reliability, or for the provision of required
33 uninterruptible service at customer sites.

34 Sec. 4. Subsections (a) and (b) of section 32-235 of the 2006
35 supplement to the general statutes are repealed and the following is
36 substituted in lieu thereof (*Effective July 1, 2006*):

37 (a) For the purposes described in subsection (b) of this section, the
38 State Bond Commission shall have the power, from time to time to
39 authorize the issuance of bonds of the state in one or more series and
40 in principal amounts not exceeding in the aggregate five hundred
41 [five] twenty-five million three hundred thousand dollars, provided
42 five million dollars of said authorization shall be effective July 1, 2006.

43 (b) The proceeds of the sale of said bonds, to the extent of the
44 amount stated in subsection (a) of this section, shall be used by the
45 Department of Economic and Community Development for the
46 purposes of sections 32-220 to 32-234, inclusive, including economic
47 cluster-related programs and activities, and for the Connecticut job

48 training finance demonstration program pursuant to sections 32-23uu
 49 and 32-23vv provided, (1) three million dollars shall be used by said
 50 department solely for the purposes of section 32-23uu and not more
 51 than five million two hundred fifty thousand dollars of the amount
 52 stated in said subsection (a) may be used by said department for the
 53 purposes of section 31-3u, (2) not less than one million dollars shall be
 54 used for an educational technology grant to the deployment center
 55 program and the nonprofit business consortium deployment center
 56 approved pursuant to section 32-41l, (3) not less than two million
 57 dollars shall be used by said department for the establishment of a
 58 pilot program to make grants to businesses in designated areas of the
 59 state for construction, renovation or improvement of small
 60 manufacturing facilities provided such grants are matched by the
 61 business, a municipality or another financing entity. The commissioner
 62 shall designate areas of the state where manufacturing is a substantial
 63 part of the local economy and shall make grants under such pilot
 64 program which are likely to produce a significant economic
 65 development benefit for the designated area, (4) five million dollars
 66 may be used by said department for the manufacturing
 67 competitiveness grants program, (5) one million dollars shall be used
 68 by said department for the purpose of a grant to the Connecticut
 69 Center for Advanced Technology, for the purposes of section 32-237,
 70 [and] (6) ten million dollars shall be used by said department for the
 71 purpose of grants to the United States Navy or eligible applicants for
 72 projects related to the enhancement of infrastructure for long-term, on-
 73 going naval operations at the United States Naval Submarine Base-
 74 New London, located in Groton, which will increase the military value
 75 of said base, and (7) twenty million dollars shall be used for grants to
 76 the Connecticut Center for Advanced Technology, for the purposes of
 77 development of the plan under section 1 of this act and projects
 78 pursuant to the plan, as follows: Five million dollars for the fiscal year
 79 ending June 30, 2007, and five million dollars in each fiscal year
 80 thereafter until the fiscal year ending June 30, 2010.

81 Sec. 5. (*Effective July 1, 2006*) The sum of seven hundred fifty

82 thousand dollars is appropriated to the Department of Economic and
83 Community Development, from the General Fund, for the fiscal year
84 ending June 30, 2007, for a grant to the Connecticut Center for
85 Advanced Technology for the purposes of (1) development of the plan
86 under section 1 of this act and projects pursuant to the plan, and (2) the
87 administration of the Connecticut Hydrogen-Fuel Cell Coalition.

This act shall take effect as follows and shall amend the following sections:

Section 1	<i>from passage</i>	New section
Sec. 2	<i>from passage</i>	New section
Sec. 3	<i>from passage</i>	New section
Sec. 4	<i>July 1, 2006</i>	32-235(a) and (b)
Sec. 5	<i>July 1, 2006</i>	New section

Statement of Purpose:

To promote hydrogen-based technologies and fuel cells in the state.

[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]